IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Zimmermann	
Application No.: Unassigned	Group Art Unit: Unassigned
Filed: June 21, 2001	
Title: Cryptographic System with Methods for User-Controlled Message Recovery	Examiner: Unassigned
Attorney Docket No.: 002.0218.01	

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

DRAWING TRANSMITTAL LETTER

Sir:

Enclosed herewith please find:

( )____ sheets of redlined drawing(s) which indicate proposed changes to the drawing(s). Upon approval of these proposed changes, formal drawing(s) will be submitted.

( )____ sheets of corrected formal drawing(s), as required by the Notice of Patent Drawings Objection (PTO-948) which accompanied the Office Action dated _____.

( )____ sheets of corrected formal drawing(s), as required by the Notice of Patent Drawing(s) Objection (PTO-948) and approved in the Notice of Allowability dated _____.

(X) 14 sheets of formal drawings, submitted with the enclosed Utility Patent Application.

Examiner's approval of the entry of these drawings is respectfully requested. No new matter has been added.

Respectfully Submitted,

The Law Offices of Patrick J.S. Inouye
810 3rd Avenue, Suite 258
Seattle, Washington 98104

By _____
Patrick J.S. Inouye, Esq.

Attorney/Agent for Applicant(s)
Reg. No. 40297

Date: June 21, 2001

TOT290 92268860

Figure 1A. (Prior Art)

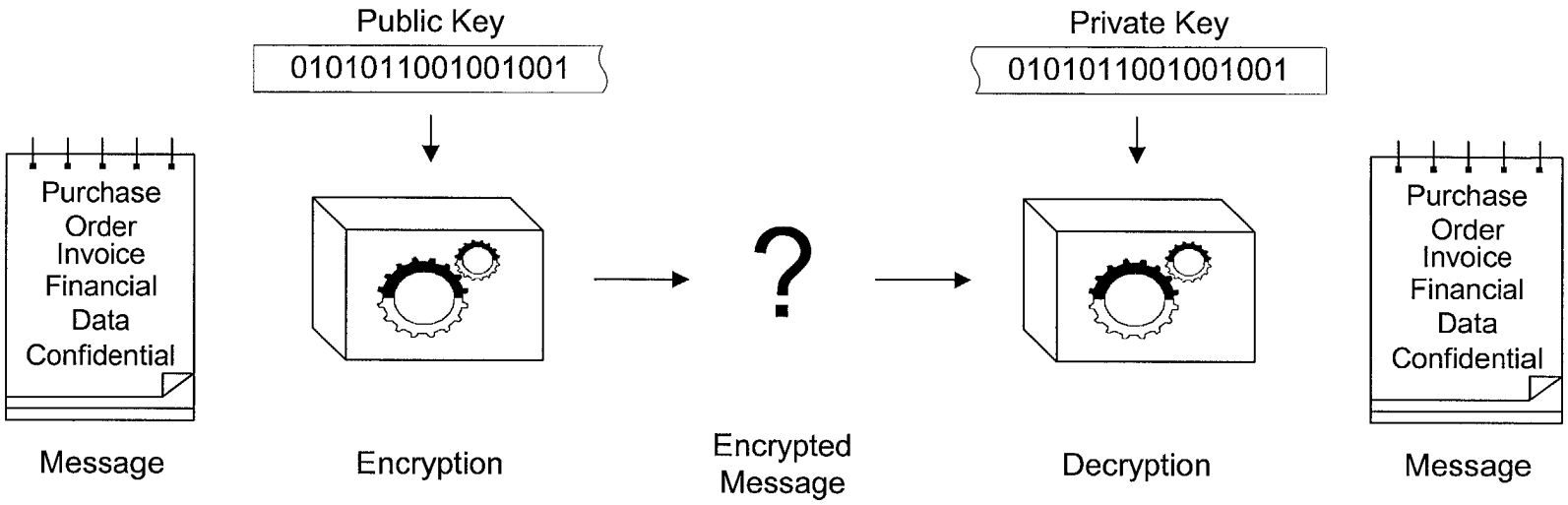


Figure 1B. (Prior Art)

	Recipient's		Sender's	
	Private Key	Public Key	Private Key	Public Key
Sender **Encrypts** with:		X		
Sender **Signs** with:			X	
Recipient **Decrypts** with:	X			
Recipient **Verifies Signature** with:				X

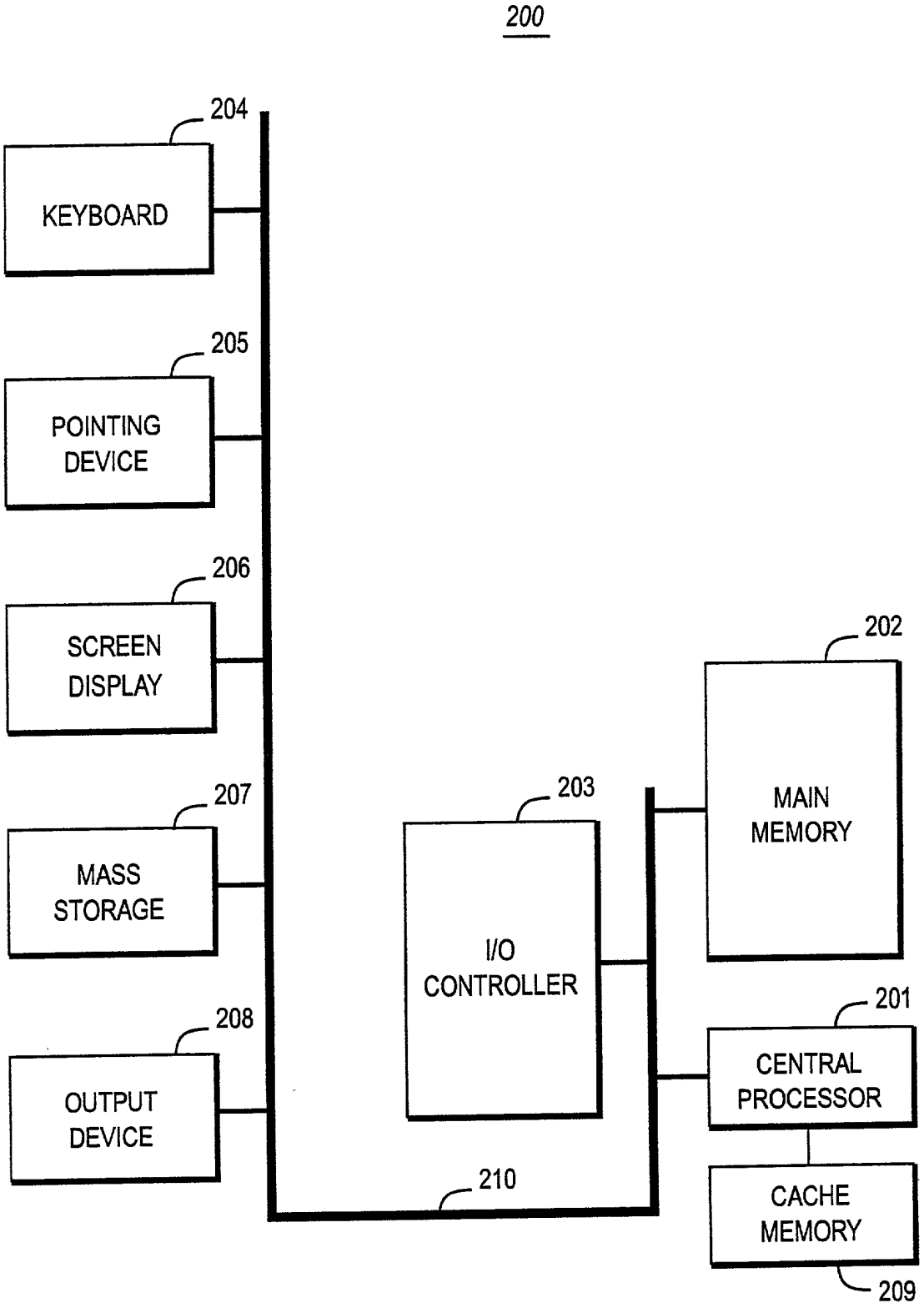

200
204
KEYBOARD
205
POINTING DEVICE
206
SCREEN DISPLAY
207
MASS STORAGE
208
OUTPUT DEVICE
203
I/O CONTROLLER
202
MAIN MEMORY
201
CENTRAL PROCESSOR
CACHE MEMORY
209
210

FIG. 2

TOP250 "9777"

320

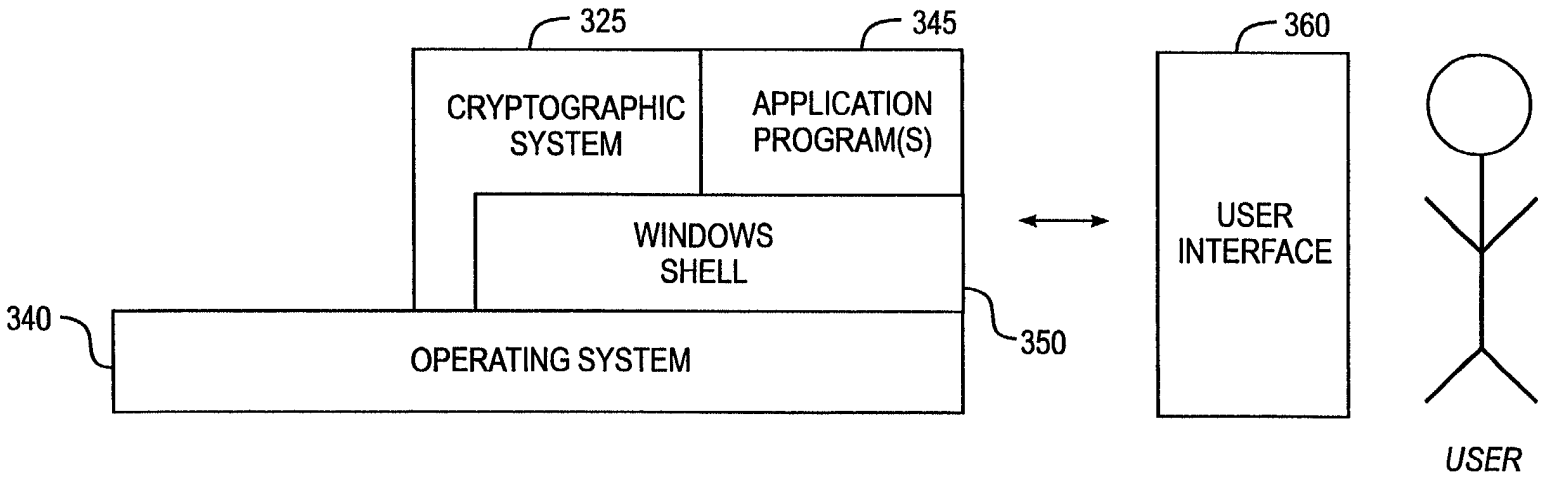
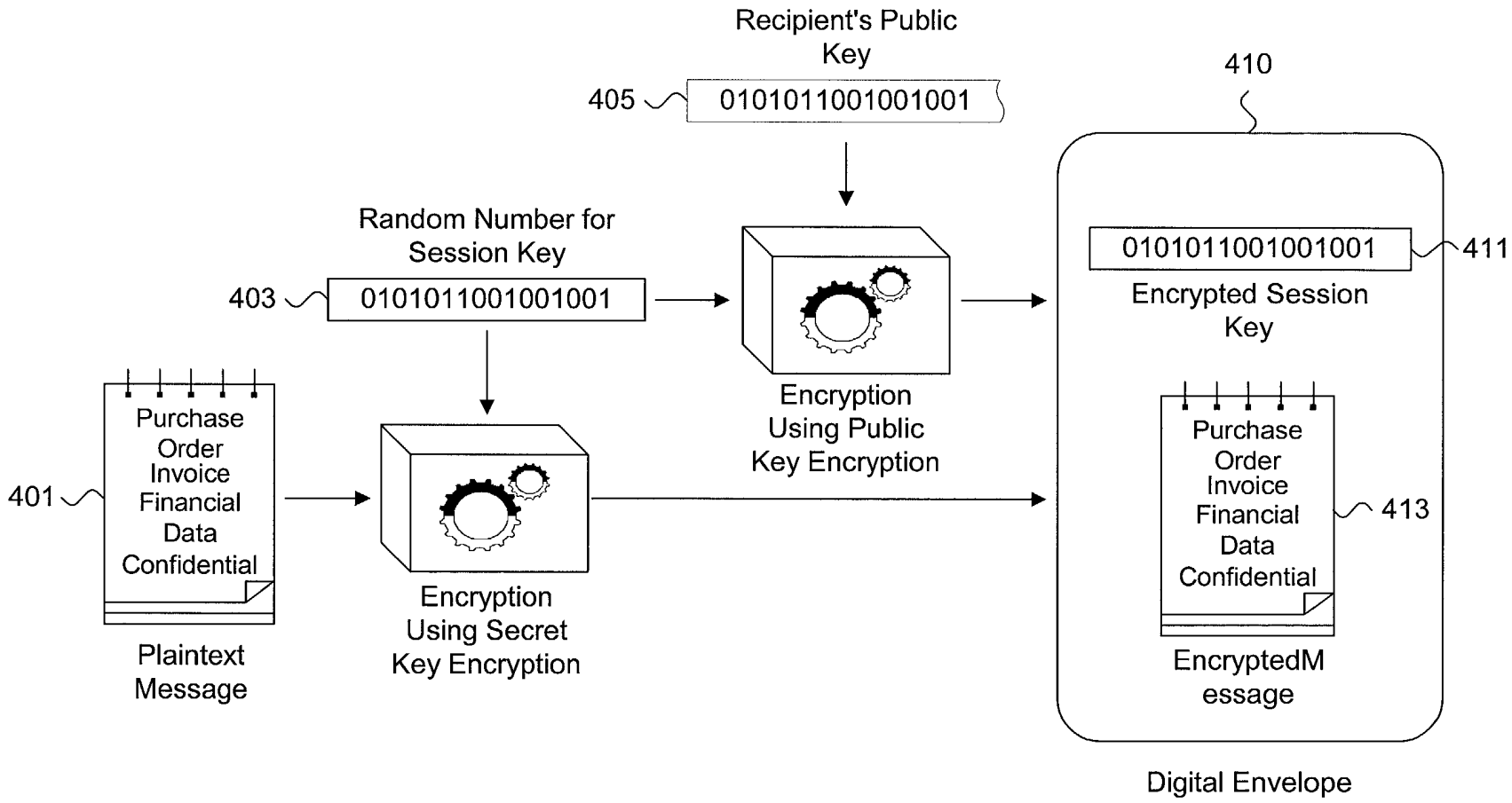


FIG. 3

FOREIGN 92728860

Figure 4.



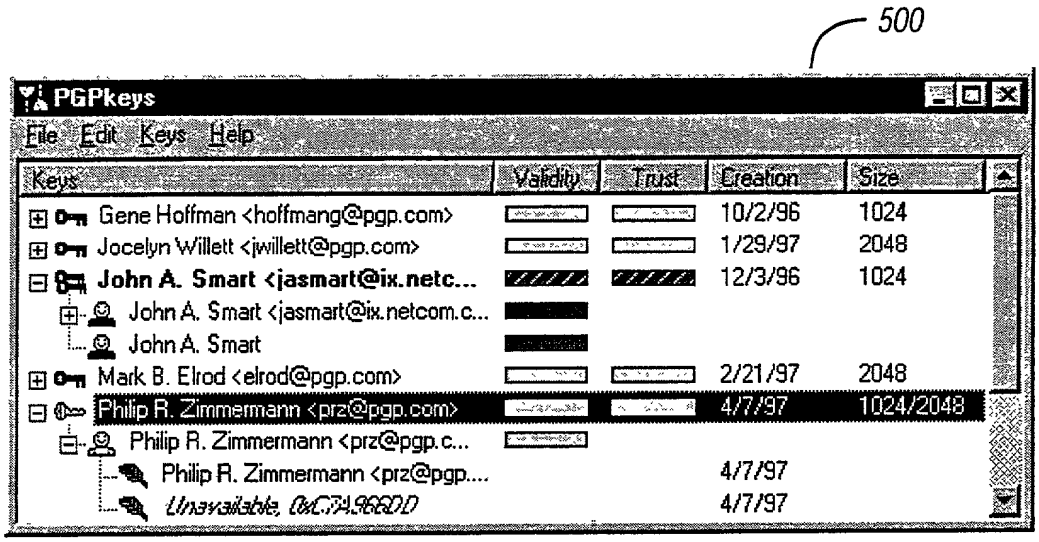

500
PGPkeys
File Edit Keys Help
Keys
Validity
Trust
Creation
Size
Gene Hoffman <hoffmang@pgp.com> 10/2/96 1024
Jocelyn Willett <jwillett@pgp.com> 1/29/97 2048
John A. Smart <jasmart@ix.netc... 12/3/96 1024
John A. Smart <jasmart@ix.netcom.c...
John A. Smart
Mark B. Elrod <elrod@pgp.com> 2/21/97 2048
Philip R. Zimmermann <prz@pgp.com> 4/7/97 1024/2048
Philip R. Zimmermann <prz@pgp.c...
Philip R. Zimmermann <prz@pgp.... 4/7/97
Unavailable, 0xC7496DD 4/7/97

FIG. 5A

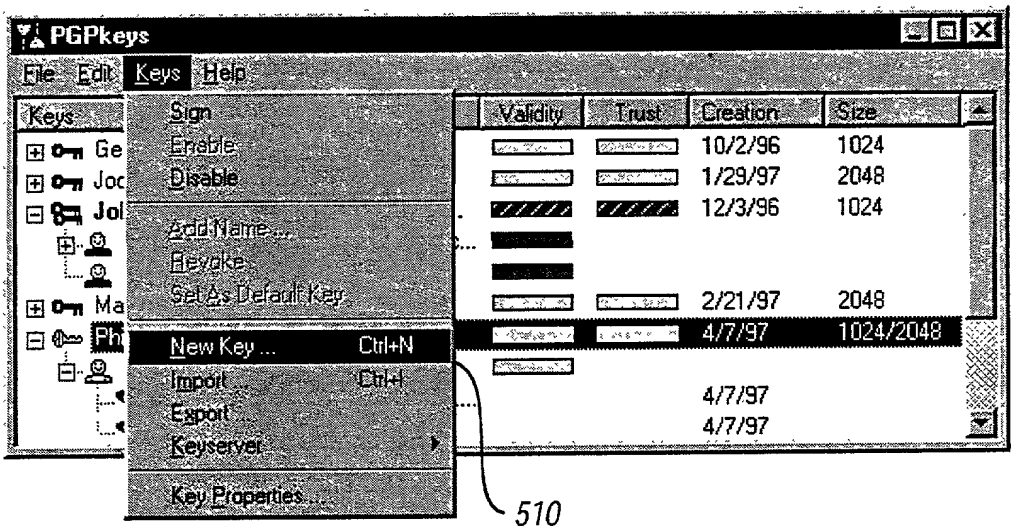

PGPkeys
File Edit Keys Help
Keys
Sign
Enable
Disable
Add Name...
Revoke
Set As Default Key
New Key ... Ctrl+N
Import... Ctrl+I
Export...
Keyserver
Key Properties...
Validity
Trust
Creation
Size
10/2/96 1024
1/29/97 2048
12/3/96 1024
2/21/97 2048
4/7/97 1024/2048
4/7/97
4/7/97
510

FIG. 5B

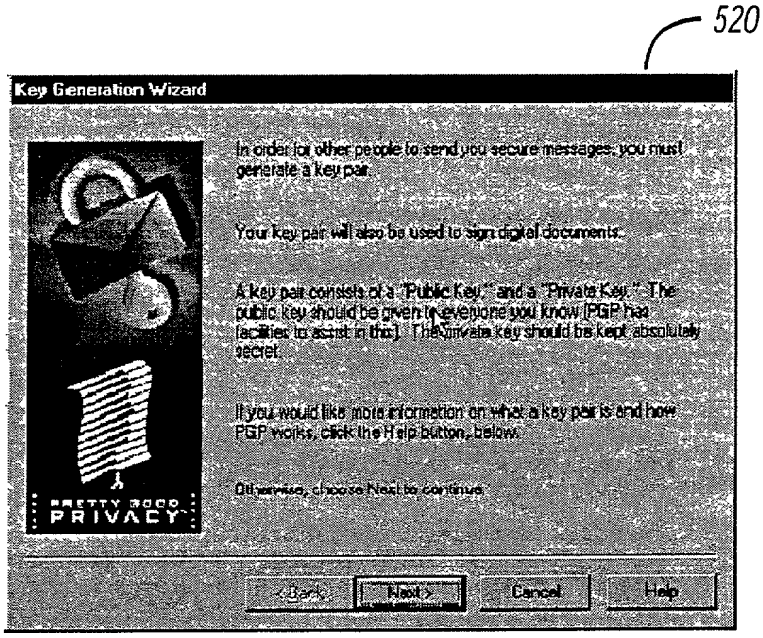


FIG. 5C

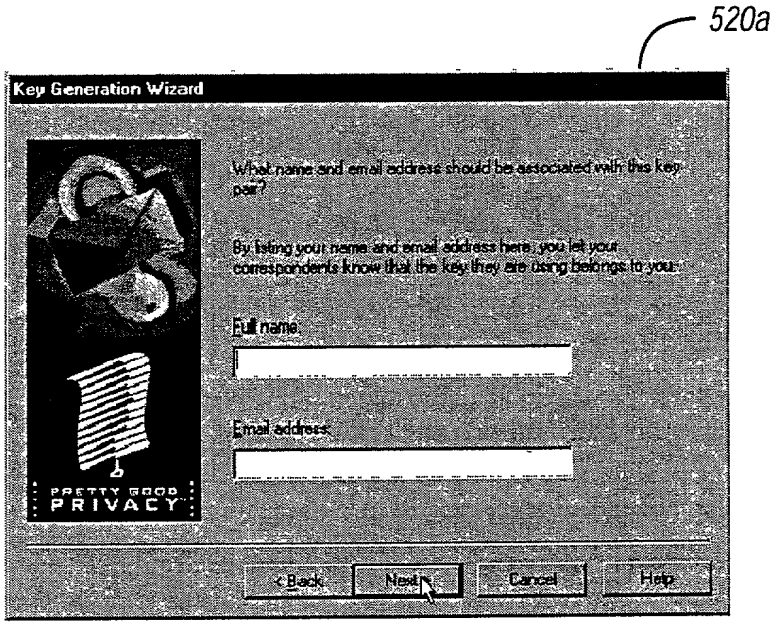


FIG. 5D

1.0.1.0.0.0

520b

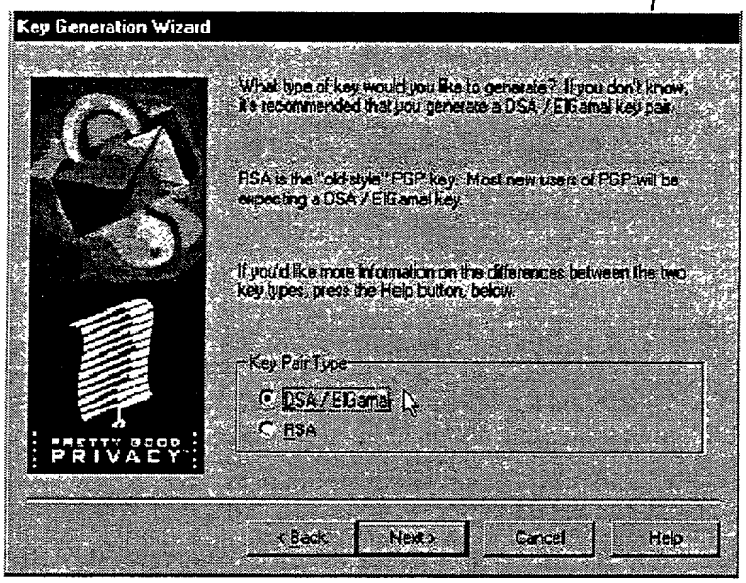


FIG. 5E

520c

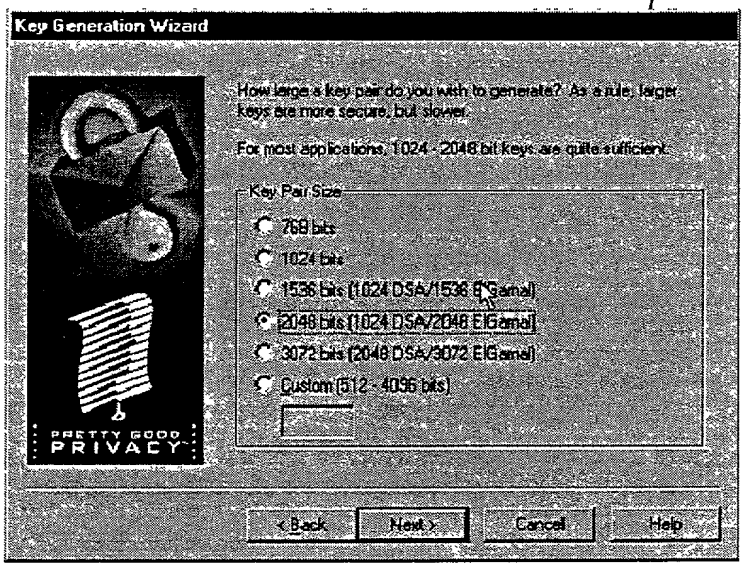


FIG. 5F

EC-EC-590 : 9/2/98

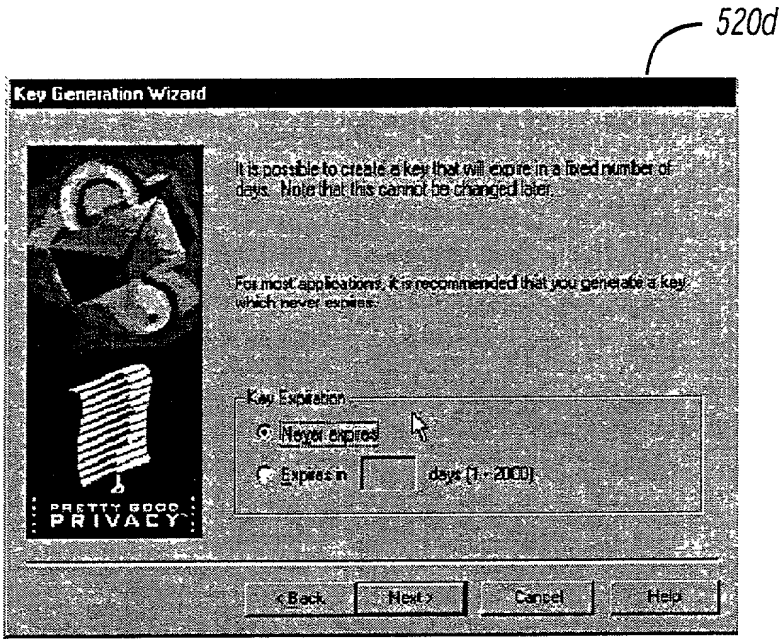


FIG. 5G

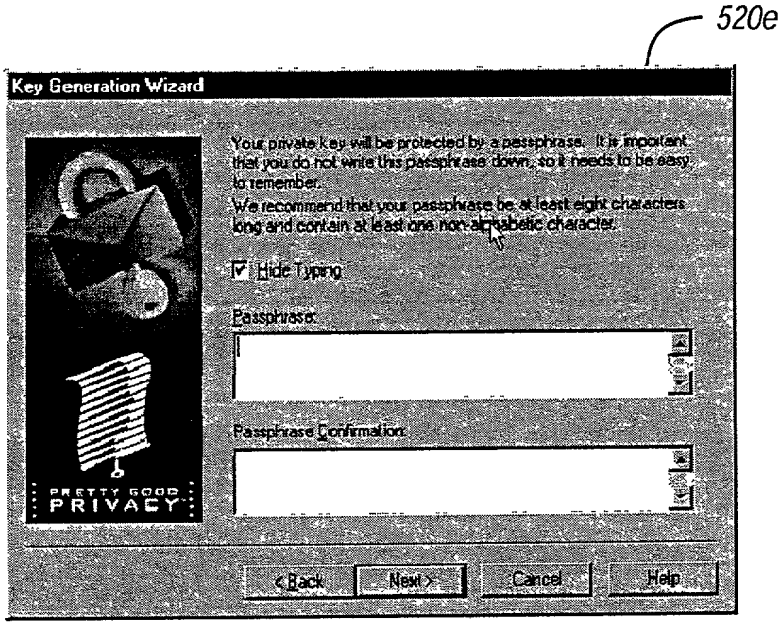


FIG. 5H

Pat. Pending - PGP/0002.00

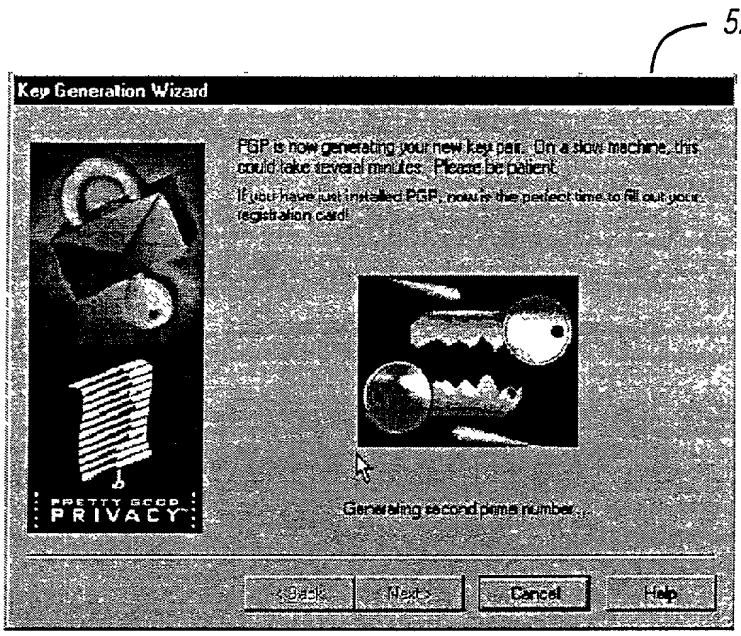


FIG. 5I

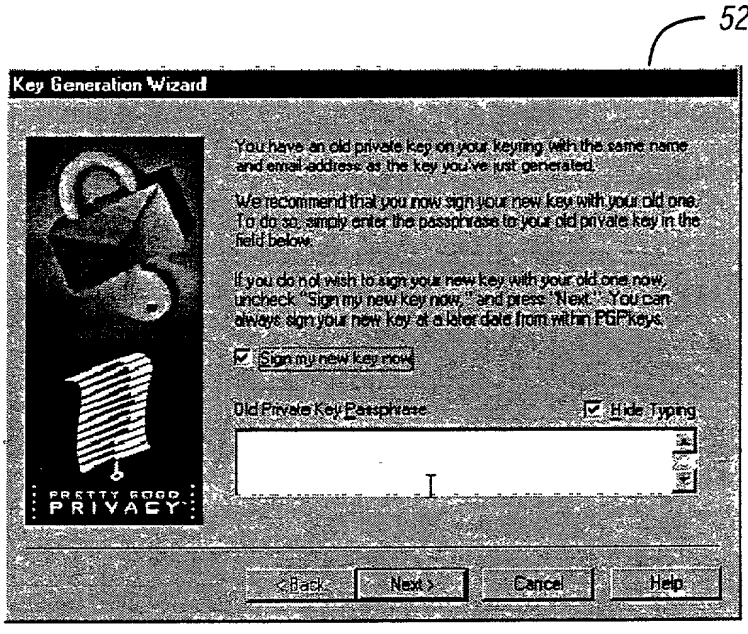


FIG. 5J

Patent - 5,727,062

520h

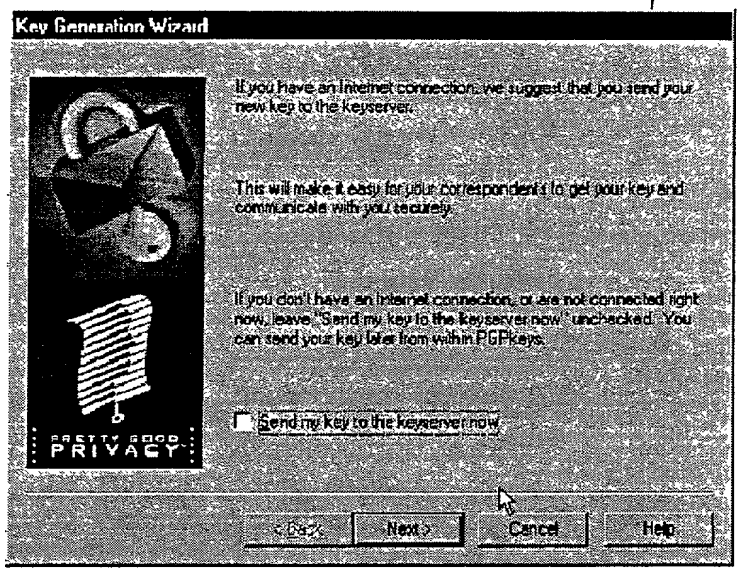


FIG. 5K

520i

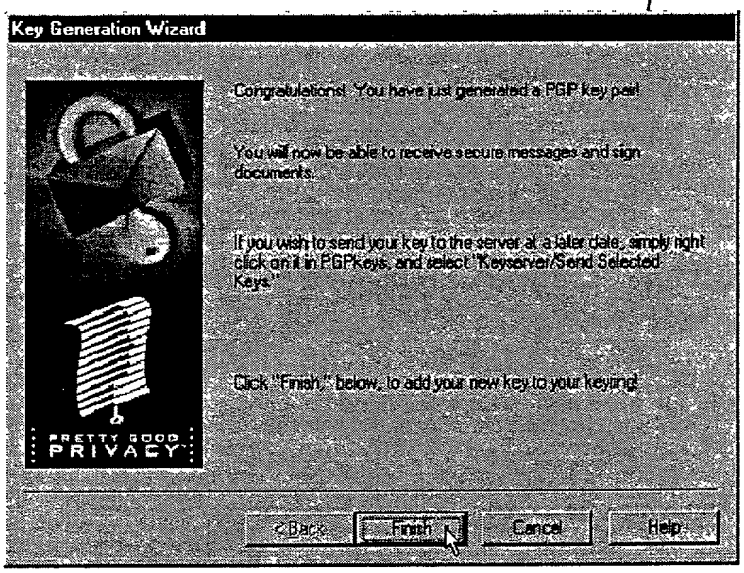


FIG. 5L

5,276,735 - 94/2/36 60

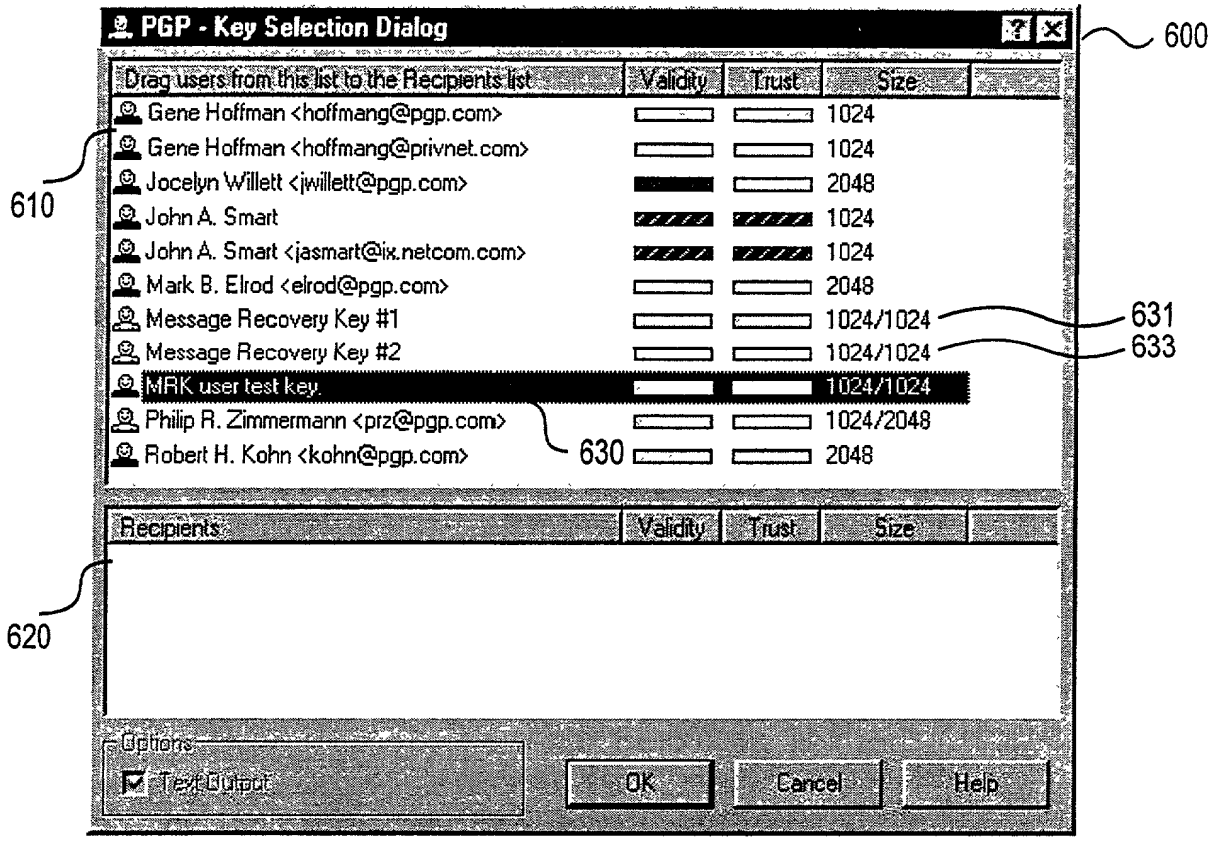

PGP - Key Selection Dialog
600
Drag users from this list to the Recipients list
Validity
Trust
Size
Gene Hoffman <hoffmang@pgp.com> 1024
Gene Hoffman <hoffmang@privnet.com> 1024
Jocelyn Willett <jwillett@pgp.com> 2048
John A. Smart 1024
John A. Smart <jasmart@ix.netcom.com> 1024
Mark B. Elrod <elrod@pgp.com> 2048
Message Recovery Key #1 1024/1024
Message Recovery Key #2 1024/1024
MRK user test key 1024/1024
Philip R. Zimmermann <prz@pgp.com> 1024/2048
Robert H. Kohn <kohn@pgp.com> 2048
610
631
633
630
Recipients
620
Options
Text Output
OK
Cancel
Help

FIG. 6A

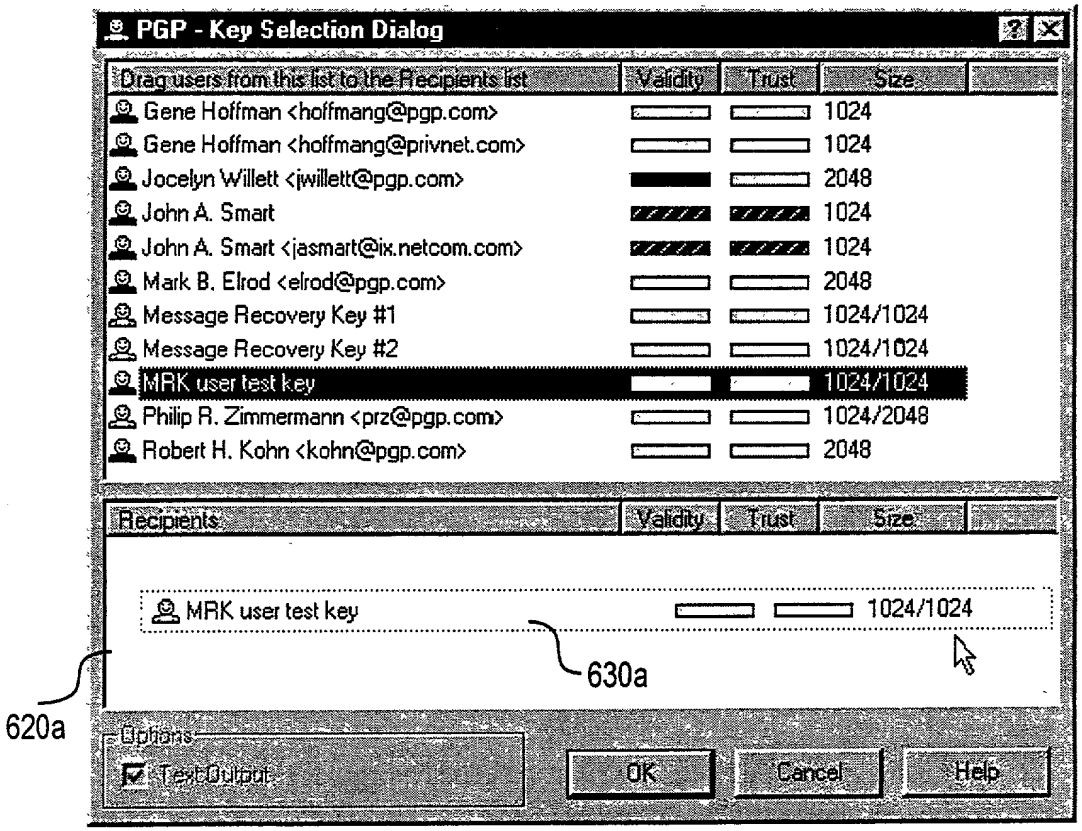

PGP - Key Selection Dialog
Drag users from this list to the Recipients list
Validity
Trust
Size
Gene Hoffman <hoffmang@pgp.com> 1024
Gene Hoffman <hoffmang@privnet.com> 1024
Jocelyn Willett <jwillett@pgp.com> 2048
John A. Smart 1024
John A. Smart <jasmart@ix.netcom.com> 1024
Mark B. Elrod <elrod@pgp.com> 2048
Message Recovery Key #1 1024/1024
Message Recovery Key #2 1024/1024
MRK user test key 1024/1024
Philip R. Zimmermann <prz@pgp.com> 1024/2048
Robert H. Kohn <kohn@pgp.com> 2048
Recipients
MRK user test key 1024/1024
630a
620a
Options
Text Output
OK
Cancel
Help

FIG. 6B

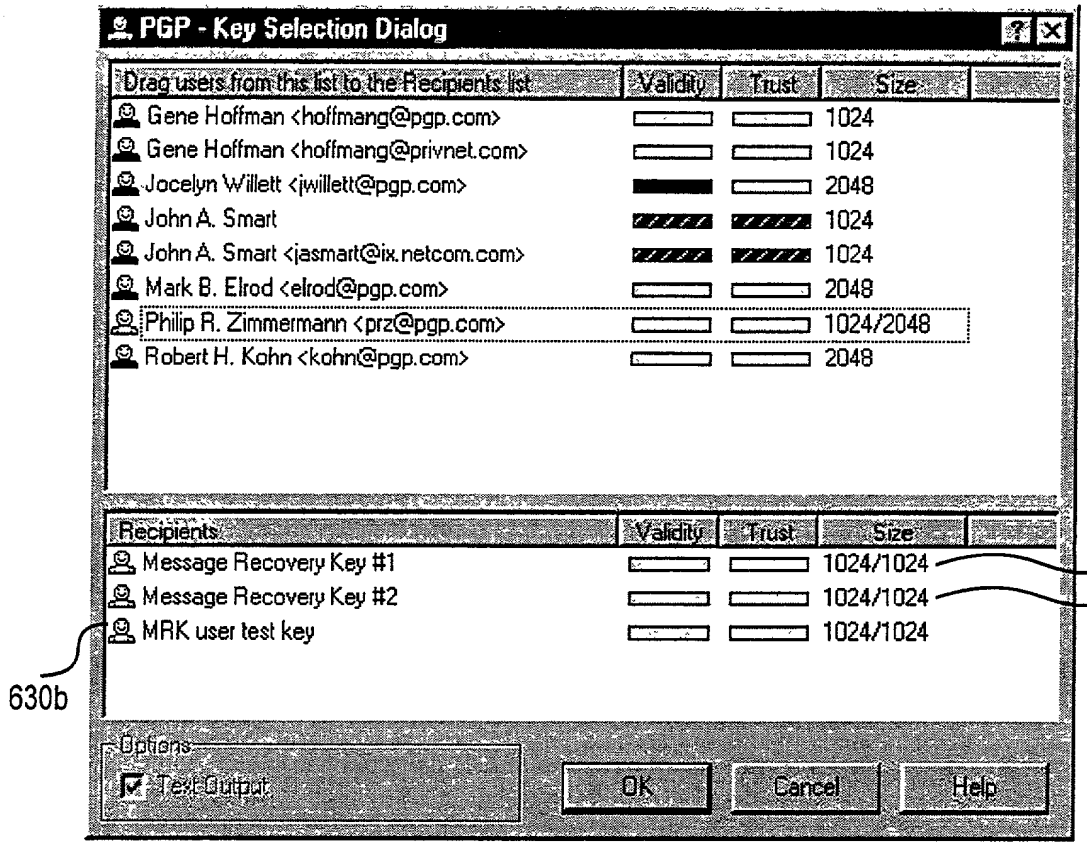


FIG. 6C

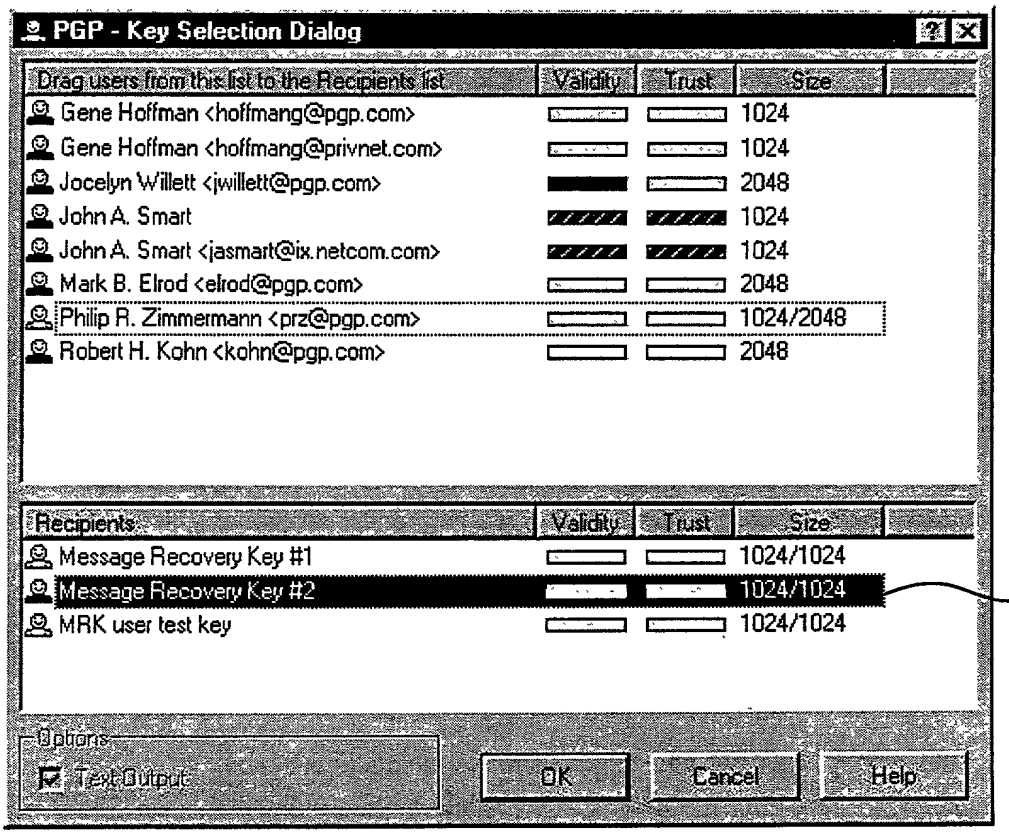


FIG. 6D

EFF-PGP-0000000

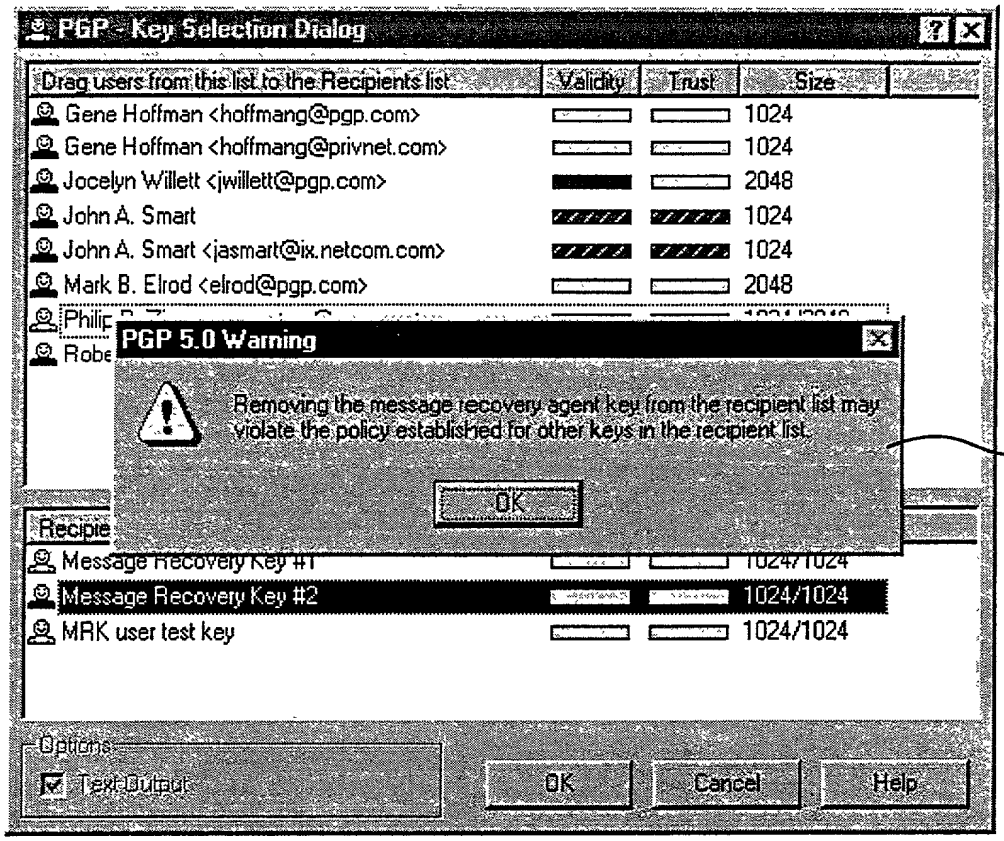

PGP - Key Selection Dialog
Drag users from this list to the Recipients list
Validity
Trust
Size
Gene Hoffman <hoffmang@pgp.com> 1024
Gene Hoffman <hoffmang@privnet.com> 1024
Jocelyn Willett <jwillett@pgp.com> 2048
John A. Smart 1024
John A. Smart <jasmart@ix.netcom.com> 1024
Mark B. Elrod <elrod@pgp.com> 2048
PGP 5.0 Warning
Removing the message recovery agent key from the recipient list may violate the policy established for other keys in the recipient list.
OK
640
Recipie
Message Recovery Key #2 1024/1024
MRK user test key 1024/1024
Options
Text Output
OK
Cancel
Help

FIG. 6E

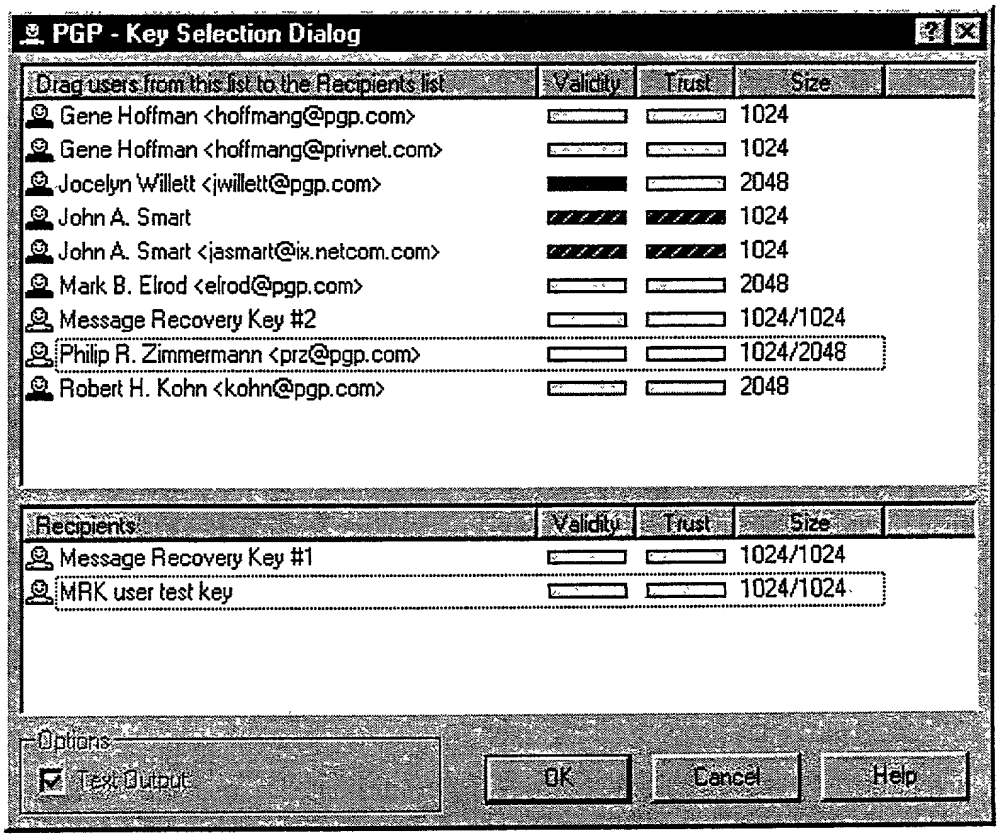

PGP - Key Selection Dialog
Drag users from this list to the Recipients list
Validity
Trust
Size
Gene Hoffman <hoffmang@pgp.com> 1024
Gene Hoffman <hoffmang@privnet.com> 1024
Jocelyn Willett <jwillett@pgp.com> 2048
John A. Smart 1024
John A. Smart <jasmart@ix.netcom.com> 1024
Mark B. Elrod <elrod@pgp.com> 2048
Message Recovery Key #2 1024/1024
Philip R. Zimmermann <prz@pgp.com> 1024/2048
Robert H. Kohn <kohn@pgp.com> 2048
Recipients
Validity
Trust
Size
Message Recovery Key #1 1024/1024
MRK user test key 1024/1024
Options
Text Output
OK
Cancel
Help

FIG. 6F

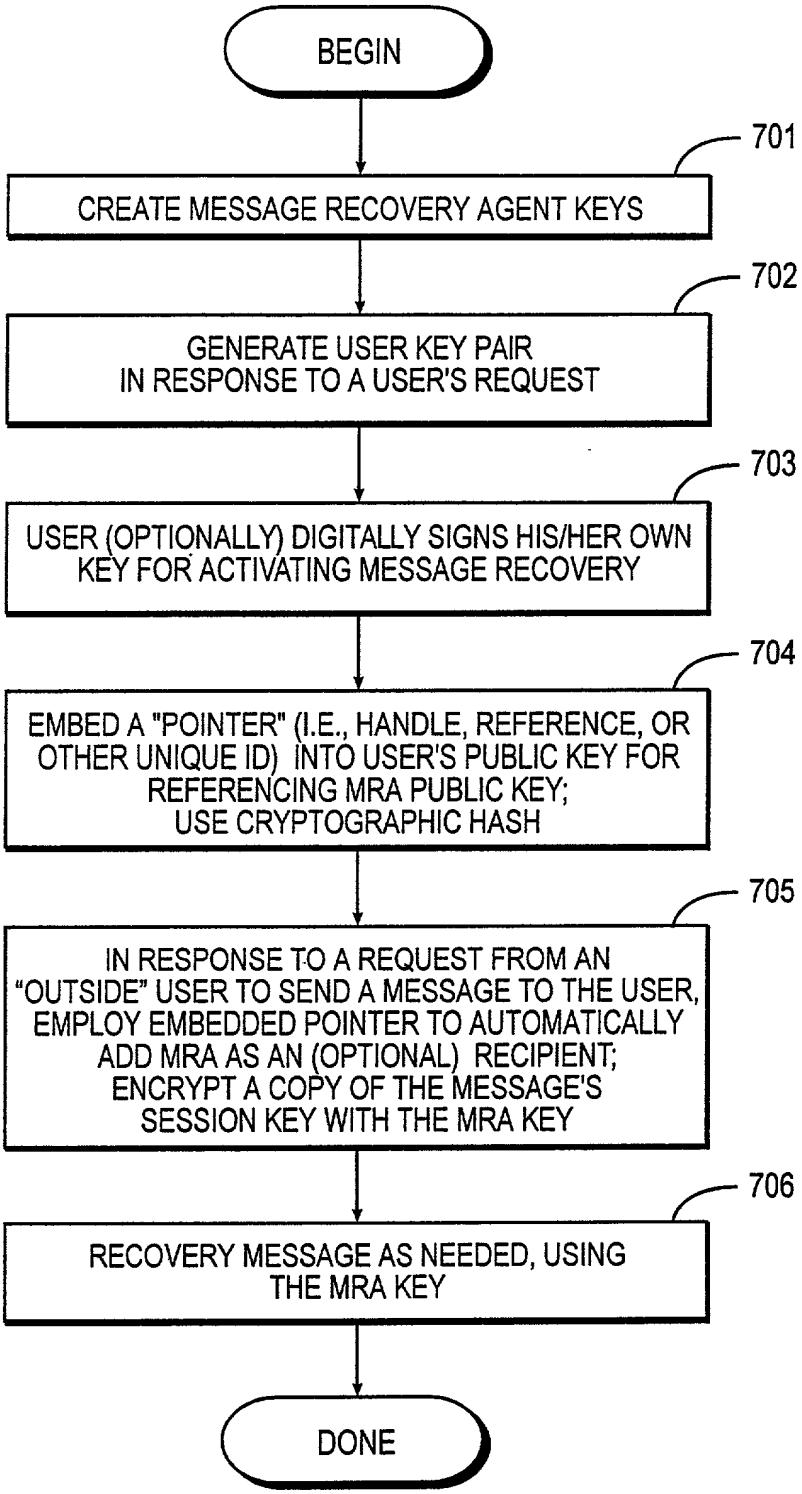

BEGIN
701
CREATE MESSAGE RECOVERY AGENT KEYS
702
GENERATE USER KEY PAIR
IN RESPONSE TO A USER'S REQUEST
703
USER (OPTIONALLY) DIGITALLY SIGNS HIS/HER OWN KEY FOR ACTIVATING MESSAGE RECOVERY
704
EMBED A "POINTER" (I.E., HANDLE, REFERENCE, OR OTHER UNIQUE ID) INTO USER'S PUBLIC KEY FOR REFERENCING MRA PUBLIC KEY;
USE CRYPTOGRAPHIC HASH
705
IN RESPONSE TO A REQUEST FROM AN "OUTSIDE" USER TO SEND A MESSAGE TO THE USER, EMPLOY EMBEDDED POINTER TO AUTOMATICALLY ADD MRA AS AN (OPTIONAL) RECIPIENT;
ENCRYPT A COPY OF THE MESSAGE'S SESSION KEY WITH THE MRA KEY
706
RECOVERY MESSAGE AS NEEDED, USING THE MRA KEY
DONE

FIG. 7